

SDMS Document ID



2118913

2118913  
EPA NO. 11590002 C

FILE NO. P2-5

**DISPOSAL RECORDS FOR SOLID  
AND  
HAZARDOUS WASTE**

**Attachment D**

**Information Request #2**

# UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

U.T.D.9.8.2.5.8.9.8.4.8

Manifest Document No.

1.0.1.0.4

2. Page 1 of

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

Hecla Mining Company - Apex Unit  
P.O. Box 2467  
St. George, Utah 84771

4. Generator's Phone (801) 628-1635

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name  
NORTHWEST

6. US EPA ID Number

COD. 000 695.155

C. State Transporter's ID 014593

D. Transporter's Phone 714 823 9200

7. Transporter 2 Company Name

Chemwest

8. US EPA ID Number

U.T.D.9.8.2.5.9.1.3.0.7

E. State Transporter's ID

F. Transporter's Phone 801 975 1800

9. Designated Facility Name and Site Address

Ash Grove Cement Co.  
Highways 50 & 68 Interchange  
Louisville, NE 68037

10. US EPA ID Number

NED. 007.260.672

G. State Facility's ID

H. Facility's Phone  
402/234-2415

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

a. XX RQ WASTE FLAMMABLE LIQUID N.O.S.  
FLAMMABLE LIQUID NA1993 F003/F005

0.0.1

DM

0.0.0.5.5

G

F003/F005

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

A: acetone, toluene, xylene, Mineral Spirits

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

The above described waste is to be combined into a bulk load to the facility designated in Block 9 or its alternate below on this manifest, covered by CHC Manifest #: . ALTERNATE FACILITY: Ash Grove Cement Co.

N. Santa Fe Street, Chanute, KS 66720; EPA ID #KSD031203049; 316 431 4500.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Gary R. Gamble

Signature

Gary R. Gamble

Month Day Year

10/7/27/90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

GARY M BOOTH

Signature

Gary M. Booth

Month Day Year

7/27/90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

MARK LAB

Signature

Mark Lab

Month Day Year

08/03/90

19. Discrepancy Indication Space

Load overfilled to alternate facility in Block 15, B

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Ash Grove Cement Co

Printed/Typed Name

David A. Powers

Signature

David A. Powers

Month Day Year

10/8/29/90



## ANALYTICAL REPORT

CLIENT: HECLA Mining Company  
P.O. Box C-8000  
Coeur d'Alene, ID 83814-  
Phone: 801-439-5355 (FAX)  
ATTN: Mr. Ron Kahler  
Project:

Date Samples Rec'd: 01/04/90  
MSAI Group No.: 1619  
Sample Matrix: 0  
Report Date: 01/19/90  
P.O. Number:

LAB SAMPLE NO. DATE	SAMP SAMPLE DESCRIPTION TIME	ANALYSES PERFORMED	RESULT
10290	12/29/89 1245	Oil Sample #EH5-7	
		FLASHPOINT (Liquid)	63 Deg. C
		ARSENIC, (EP TOX), HAA	<0.01 mg/l
		BARIUM, (EP TOX), FAA	0.66 mg/l
		CADMIUM (EP TOX), FAA	<0.005 mg/l
		CHROMIUM (EP TOX), FAA	<0.05 mg/l
		LEAD, (EP TOX), FAA	0.06 mg/l
		SELENIUM (EP TOX), HAA	<0.005 mg/l
		SILVER (EP TOX), FAA	<0.01 mg/l
		ACID DIGEST (EP TOX Ext	Complete
		EP TOX, Extraction	Complete
		pH, Aqueous	6.54
		REACTIVITY (S-,CN-)	None

Respectfully submitted,

Douglas W. Later, Ph.D.  
Laboratory Director

Glenn A. Sorensen, B.S.  
Manager, Technical Operations

Note: This sample was submitted by G. Gamble

# Chemical Handling Corporation

EPA I.D. #COD 982 581 050

## Certificate of Destruction

Chemical Handling Corporation has disposed of the waste generated by Hecla Mining - Apex Mine as identified in Hazardous Waste Manifest # 10104 in our Supplemental Fuels program and certifies the destruction on the 28th day of August, 19 90.



Chemical Handling Corporation

A handwritten signature in dark ink, appearing to read "Scott Carpenter".

Vice President

6108

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. 4 T D 9 8 2 5 8 9 8 4 8 1 1 2 1 9 1 0	Manifest Document No. 121910	2. Page 1 of	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address Hecla Mining Company - Apex Unit P.O. Box 2407 St. George, UT 84771			A. State Manifest Document Number 87661087		
4. Generator's Phone (801) 628-1635			B. State Generator's ID 4 T D 9 8 2 5 8 9 8 4 8 1		
5. Transporter 1 Company Name Cummins Transport, Inc			6. US EPA ID Number 6 C 4 0 9 8 1 3 5 6 7 2 7 2	C. State Transporter's ID WH 2678	
7. Transporter 2 Company Name			8. US EPA ID Number	D. Transporter's Phone 800-232-5287	
9. Designated Facility Name and Site Address US Ecology - Nevada Highway 95, 12 miles south of Beatty, NV			10. US EPA ID Number N V T 3 3 0 0 1 0 0 0 0	E. State Facility's ID	
			F. Transporter's Phone		
			G. State Facility's ID		
			H. Facility's Phone 702-553-2203		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol
a. Hazardous Waste, Solid, N.O.S., Poison B NA 9189 D004			050 DM	00055 G	
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above Gallium-Arsenic wastewater treatment sludge TCLP Toxic for Arsenic			K. Handling Codes for Wastes Listed Above		
			a.		
			b.		
			c.		
			d.		
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Gary R Gumble			Signature Gary R Gumble		Month Day Year 11/20/39
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name STEVE L JONES			Signature Steve L Jones		Month Day Year 11/20/39
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name			Signature		Month Day Year
19. Discrepancy Indication Space Actual quantity received 2750 G 21300 P.					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name Ph Westley			Signature		Month Day Year 12/1/11

GENERATOR

TRANSPORTER

FACILITY

RECEIVED SEP 11 1990

Hecla Mining Corp  
Client Sample ID: Gallium Arsenic Ingot  
Lab Sample ID: 1112-90  
Project: Wastewater Treatment Sludge  
Sample Matrix: TCLP extract  
Attn: Gary Gamble

Date Sampled: 8/07/90  
Date Received: 8/07/90  
Date Analyzed: 8/24/90  
Date of Report: 8/31/90  
Units: mg/L

RESULTS - TCLP

Parameter	Limits	Results
Barium	100	0.39
Cadmium	1	< 0.1
Chromium	5	< 0.1
Lead	5	< 1
Silver	5	< 0.2
Arsenic	5	84
Mercury	0.2	< 0.005
Selenium	1	< 0.2



US Ecology, Inc.  
P.O. Box 578  
Beatty, Nevada 89003  
702/553-2203



an American Ecology company

## CERTIFICATE OF DISPOSAL

### DISPOSAL FACILITY

US Ecology, Inc.  
P.O. Box 578  
Highway 95, 11 Miles South of  
Beatty, Nevada 89003  
EPA Identification No. NVT330010000

### WASTE IDENTIFICATION

Manifest No. 87661087  
Generator Name: HECLA MINING COMPANY - APEX UNIT  
Waste Description: 50 drums of sludge  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### DISPOSAL CERTIFICATION

I HEREBY CERTIFY THAT THE ABOVE REFERENCED WASTE WAS:

- ☒ Landfilled at the US Ecology, Inc. Beatty, Nevada Facility on: 12/4/90  
☐ Stored Pending Shipment for Off-site Treatment/Incineration.  
☐ Shipped for incineration on Manifest No. \_\_\_\_\_ and Incinerated  
on: \_\_\_\_\_ (Certificate of Incineration attached).  
☐ Stored pending On-site Treatment.

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instruction made the verification that this information is true, accurate and complete.

R L Marchand  
US ECOLOGY, INC.

12/14/90  
DATE

LOAD # 931025

C1721

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. U.T.O.9.8.2.5.8.9.8.4.8	Manifest Document No. 0.0.0.9.3.-2		2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Hella Mining Co - Apex P.O. Box 2407 St. George, UT 84771			A. State Manifest Document Number				
4. Generator's Phone ( 801 ) 628-1635			B. State Generator's ID				
5. Transporter 1 Company Name TRIAD TRANSPORTS			6. US EPA ID Number		C. State Transporter's ID		
7. Transporter 2 Company Name			8. US EPA ID Number		D. Transporter's Phone 800-364-1139		
9. Designated Facility Name and Site Address Aptus 11600 North Aptus Rd Arquitecte, UT 84029			10. US EPA ID Number U.T.O.9.8.1.5.5.2.1.7.7		E. State Transporter's ID		
					F. Transporter's Phone		
					G. State Facility's ID		
					H. Facility's Phone (801) 521-7040		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.	
a. <input checked="" type="checkbox"/> RM, Hazardous Substance, solid, n.o.s., ORM-E, NA 9188 (contains lead, zinc, cadmium, arsenic, copper, and nickel) Non-RCRA Waste			No. 3	Type BA	221	T	
b.							
c.							
d.							
J. Additional Descriptions for Materials Listed Above Emergency number (801) 628-1635 Emergency Response Guide # 31 Aptus # AR 92-1742			K. Handling Codes for Wastes Listed Above				
15. Special Handling Instructions and Additional Information Avoid breathing dust, keep away from acids - contact with acidic solution may generate hydrogen sulfide gas.							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name ANTH MARI			Signature Anth Mari			Month Day Year 10.7.2019.3	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name JOE NELSON			Signature Joe Nelson			Month Day Year 10.7.2019.3	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name			Signature			Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name Bill Glicko			Signature Bill Glicko			Month Day Year 10.7.2019.3	



**APTUS**

P.O. Box 27448  
Salt Lake City, Utah 84127-0448

Delivery Address:  
11600 North Aptus Road  
Aragonite, Utah 84029

(801) 531-4200  
FAX (801) 531-4394

August 30, 1993

HECLA Mining Company - APEX Unit  
P. O. Box 2407  
St. George, Utah 84771

EPA ID: UTD982589848

**Certificate of Disposal**

No. 5741

Customer Manifest: 00093-2 Document: C1721 destroyed as of AUGUST 11, 1993

This is to certify that the hazardous material manifested to Aptus on the above Aptus Document Number was disposed of by incineration in accordance with 40 CFR 761 (and 40 CFR 264 if applicable) as of the above certification date.

Attached is a detailed report which identifies the date(s) of disposal. Residue from this waste has been disposed of at an approved and permitted Hazardous Waste Landfill.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

APTUS, INC.  
EPA ID # UTD 981552177

*1/04*  
  
-----  
Maggie Wilde  
Manager, Environmental Affairs

HECLA MINING COMPANY - APAX UNIT  
 BOX C-800  
 COEUR D'ALENE ID 83814

CLIENT ID: (NO ID GIVEN)  
 LABORATORY NO: L9233803-001  
 DATE RECEIVED: 12/03/1992  
 SAMPLE MATRIX: SOLID

ATTN: Todd Turman

PARAMETER	RESULT	UNITS	MDL
Ash	32.35	%	0.01
Density	1.48	g/mL	N/A
Halogen-Total as Chloride	0.1	%	0.1
Heat of Combustion	BDL	BTU/lb	1,000
Total Solids	38.52	%	0.01
pH	5.96	N/A	0-14
PCB	ND	ug/g	16
Total Analytes			
Antimony	48.3	mg/Kg	3.3
Arsenic	561	mg/Kg	3
Barium	1.20	mg/Kg	0.07
Beryllium	BDL	mg/Kg	0.10
Cadmium	13,600	mg/Kg	67
Chromium	14.1	mg/Kg	0.8
Copper	14,900	mg/Kg	83
Lead	874	mg/Kg	330
Manganese	88.3	mg/Kg	0.1
Mercury	0.100	mg/Kg	0.090
Nickel	242	mg/Kg	1
Potassium	36.4	mg/Kg	6.6
Selenium	ND	mg/Kg	3.3
Silver	1.65	mg/Kg	0.13
Sodium	1,260	mg/Kg	3
Sulfur	56,900	mg/Kg	330
Thallium	16.3	mg/Kg	3
Oxidizer Screen	NEGATIVE		
Radioactivity Screen	NEGATIVE		
Reactivity Screen			
	CYANIDE - NEGATIVE		
	SULFIDE - POSITIVE		
	WATER - NEGATIVE		

# Physical Description

Dark gray and light gray/brown  
 semisolid - 100%

BDL = Below Detection Limit  
 ND = Not Detected  
 MDL = Method Detection Limit  
 N/A = Not Applicable

RECEIVED OCT 9 1993

3211

SAS 8/30/93

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. UT 0.9.8.25.8.9.8.48		Manifest Document No. 0.0.0.9.3.-1		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.						
3. Generator's Name and Mailing Address HECLA MINING CO. - APEX P.O. Box 2407						A. State Manifest Document Number								
4. Generator's Phone (801) 628-1635 ST. GEORGE, UT 84771						B. State Generator's ID								
5. Transporter 1 Company Name TRIAD TRANSPORTS						C. State Transporter's ID								
6. US EPA ID Number 0.K.D.9.8.1.5.8.8.7.9.1						D. Transporter's Phone 801-364-1139								
7. Transporter 2 Company Name						E. State Transporter's ID								
8. US EPA ID Number						F. Transporter's Phone								
9. Designated Facility Name and Site Address US ECOLOGY - NEVADA HIGHWAY 95 12 MILES SOUTH OF BEATTY, NV						10. US EPA ID Number								
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZ. FILTER CLOTHS CONTAINING HAZ. SUBST. a. <del>HAZ. HAZARDOUS SUBSTANCE, SOLID, N.O.S., ORM-E, X NA 9188 (CONTAINS LEAD, ZINC, CADMIUM, ARSENIC COPPER AND NICKEL) AND RERA</del>						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol				
						3 BA		634		POUNDS				
b.														
c.														
d.														
J. Additional Descriptions for Materials Listed Above EMERGENCY # 801-628-1635 or 674-7253 (ANH MAI) EMERGENCY RESPONSE GUIDE #31 US ECOLOGY WASTE # 01-010-1605						K. Handling Codes for Wastes Listed Above								
15. Special Handling Instructions and Additional Information AVOID BREATHING DUST. KEEP AWAY FROM ACIDS. CONTACT WITH ACIDIC SOLUTIONS MAY GENERATE HYDROGEN SULFIDE GAS.														
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.														
Printed/Typed Name ANH MAI					Signature Anh Mai					Month Day Year 10/30/93				
17. Transporter 1 Acknowledgement of Receipt of Materials														
Printed/Typed Name JACK D. FAYNE					Signature Jack D. Fayne					Month Day Year 10/30/93				
18. Transporter 2 Acknowledgement of Receipt of Materials														
Printed/Typed Name					Signature					Month Day Year				
19. Discrepancy Indication Space na) Description changed per Gary Gamble (Hecla Mining) SAS 8/30/93														
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.														
Printed/Typed Name Steve A. Sepanski					Signature Steve A. Sepanski					Month Day Year 10/30/93				

GENERATOR

TRANSPORTER

FACILITY

RECEIVED JAN 10 1994

• USEcology, Inc.  
• P.O. Box 578  
Beatty, Nevada 89003  
702/553-2203

**USEcology**

CERTIFICATE OF RECEIPT AND DISPOSAL

an American Ecology company

DISPOSAL FACILITY

US Ecology, Inc.  
P.O. Box 578  
Beatty, NV 89003

EPA Identification No. NVT330010000


DISPOSAL CERTIFICATION

Generator Name: **HECLA MINING CO. - APEX**

**I HEREBY CERTIFY THAT THE WASTE MATERIAL LISTED ON MANIFEST  
NO. 00093-1 AND ANY ATTACHMENTS WAS:**

- ☒ Received at the US Ecology, Inc. Beatty, Nevada Facility on 08/30/93
- ☒ Landfilled at the US Ecology, Inc. Beatty, Nevada Facility on: 08/30/93
- ☐ Stored pending Shipment for Off-Site Treatment/Incineration.
- ☐ Shipped for Incineration on Manifest No. and incinerated on:
- ☐ Stored pending On-Site Treatment.

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direction, made the verification that this information is true, accurate and complete.

  
for US Ecology, Inc

December 17, 1993

# UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.  
U.T.D. 9.8.25.8.9.8.4.8

Manifest Document No.  
0.0.0.0.1

2. Page 1 Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address  
Hecla Mining Co - Apex Unit  
P.O. Box 2407  
St. George, UT 84771

4. Generator's Phone (801) 628-1635

5. Transporter 1 Company Name  
Jervicon

6. US EPA ID Number  
CA.D.9.8.25.1.9.20.9

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address  
US Ecology - Nevada  
Highway 95, 12 miles south  
Beatty, NV

10. US EPA ID Number  
N.V.T.3.3.0.0.1.0.0.0.0

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)  
RM Environmentally (RK)  
a. RQ Hazardous Waste Solid, NOS, 9  
UN 3077 (D006, D008) (contains Pb, Cd)  
PG III (RK)

12. Containers  
No. Type

13. Total Quantity  
3 BA 09.0.0.0 P

14. Unit  
Wt/Vol

15. Special Handling Instructions and Additional Information  
WEAR PROTECTIVE CLOTHING, GLOVES, GOGGLES  
24 HR EMERGENCY # 801 628-1635

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

17. Transporter 1 Acknowledgement of Receipt of Materials  
Printed/Typed Name  
Russ KEELEY

18. Transporter 2 Acknowledgement of Receipt of Materials  
Printed/Typed Name

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name  
Steve A Stepanski

Signature  
Steve A Stepanski

Month Day Year  
10/4/26/95

Signature  
Penny Bassett

Month Day Year  
10/4/24/95

Signature  
Russ KEELEY

Month Day Year  
10/4/26/95

Signature  
Steve A Stepanski

Month Day Year  
10/4/26/95

# TCLP LAB RESULTS

Sample ID S-0199

Date 6/21/94

R # 4318-13 *residue from leach of TCLP Extraction*

## ANALYSIS: (ppm)

Ag	
As	-1.00
Ba	
Cd	-1.00

Cr	50.40
Hg	
Pb	-5.00
Se	-1.00

PASS

No

A minus sign indicates "less than"

COMMENTS Fe Cake

## REPORT OF ANALYTICAL RESULTS (TCLP)

CLIENT : HECLA - APEX UNIT

SVL JOB # : 42372

CLIENT SAMPLE ID: CU REACTOR TANK RES. (S-497)

SVL SAMPLE # : 76372

Sample Receipt : 12/16/94

Sample Matrix: Solid Waste

Date of Report : 1/04/95

Extraction : TCLP \*

Determination	Result	Units	TCLP Reg. Limit	Method	Analysis Date
Silver	<0.0020	mg/L Ext	5.0	6010A	1/02/95
Arsenic	<0.040	mg/L Ext	5.0	6010A	1/02/95
Barium	0.0648	mg/L Ext	100.0	6010A	1/02/95
Cadmium	121	mg/L Ext	1.0	6010A	1/02/95
Chromium	<0.0040	mg/L Ext	5.0	6010A	1/02/95
Lead	1.54	mg/L Ext	5.0	6010A	1/02/95
Selenium	<0.043	mg/L Ext	1.0	6010A	1/02/95
Mercury	0.0012	mg/L Ext	0.2	7470	1/03/95

\* Sample extracted according to EPA method 1311 (TCLP).

Reviewed By: Joe Costello / ac  
Joe Costello, Project OfficerDate 01/04/95

## TCLP LAB RESULTS

Sample ID      S-519

Date            12/19/94

R #            4600

### ANALYSIS: (ppm)

<u>Ag</u>	<u>-0.10</u>
<u>As</u>	<u>-5.00</u>
<u>Ba</u>	<u>-3.00</u>
<u>Cd</u>	<u>40.00</u>

<u>Cr</u>	<u>-0.50</u>
<u>Hg</u>	
<u>Pb</u>	<u>3.00</u>
<u>Se</u>	<u>-3.00</u>

PASS                      No

A minus sign indicates "less than"

COMMENTS    Fine ore bin , plant cleanup  
                  ZCA material



## TCLP LAB RESULTS

Sample ID      WGC 3C

Date            12/28/94

R #            4608

### ANALYSIS: (ppm)

<u>Ag</u>	<u>-0.10</u>
<u>As</u>	<u>-5.00</u>
<u>Ba</u>	<u>-3.00</u>
<u>Cd</u>	<u>11.90</u>

<u>Cr</u>	<u>-0.50</u>
<u>Hg</u>	
<u>Pb</u>	<u>570.00</u>
<u>Se</u>	<u>-3.00</u>

PASS            No

A minus sign indicates "less than"

COMMENTS    WGC cleanup

## TCLP LAB RESULTS

Sample ID      WGC 3G

Date            1/19/95

R #            4690

### ANALYSIS: (ppm)

<u>Ag</u>	<u>-0.10</u>
<u>As</u>	<u>23.80</u>
<u>Ba</u>	<u>-3.00</u>
<u>Cd</u>	<u>4.20</u>

<u>Cr</u>	<u>-0.50</u>
<u>Hg</u>	
<u>Pb</u>	<u>12.80</u>
<u>Se</u>	<u>-3.00</u>

PASS            No

A minus sign indicates "less than"

COMMENTS    WGC cleanup

## TCLP LAB RESULTS

Sample ID      WGC 3E

Date              2/9/95

R #              4716

### ANALYSIS: (ppm)

Ag              -0.10

Cr              -0.50

As              -5.00

Hg

Ba              -3.00

Pb              82.00

Cd              8.00

Se              -3.00

PASS              No

A minus sign indicates "less than"

COMMENTS    WGC cleanup

## TCLP LAB RESULTS

Sample ID      WGC-43

Date              2/23/95

R #              4739

### ANALYSIS: (ppm)

Ag              -0.10

Cr              -0.50

As

Hg

Ba              -3.00

Pb              52.00

Cd              6.50

Se              -3.00

PASS

No

A minus sign indicates "less than"

COMMENTS    5 gal. bucket for disposal

2/28/95

BY \_\_\_\_\_

I.D.	Ag	ppm	As	ppm	Ba	ppm	Cd	ppm	Cr	ppm	Pb	ppm	Se	ppm
4739 1	/	<0.1	16.1		/	<3.0	/	<0.05	/	<0.50	7.1	14.2	-	<3.0
4739 2	/	<0.1	16.1		/	<3.0	1.30	6.5	/	<0.50	10.4	52.0	-	<3.0
4738 1	/	<0.1	13.1		/	<3.0	/	<0.05	/	<0.50	/	<0.20	-	<3.0
4738 2	/	<0.1	13.1		/	<3.0	50 1.90	95.0	/	<0.50	50 10.3	51.5	-	<3.0
4744	/	<0.1	7.0		/	<3.0	2 0.40	0.80	/	<0.50	2 1.3	2.6	-	<3.0
4744			Co	1.98x100		ppm	198							